## IOWA DEPARTMENT OF NATURAL RESOURCES WATER SUPPLY SECTION CONSTRUCTION PERMIT APPLICATION

## SCHEDULE-16c, Filtration and Mechanical

Date	Date Prepared		Project Identity						
Doto	Davige	v.d	ı						
Date	Revise	ea							
1. Design Basis:									
		_			Average	Maximur	n		
			Flow to Unit (gpd)						
		L	Suspended Solids to Unit	(lbs/day)	<u> </u>				
2 Wasternator Cand Filters on Cludes During Body N/A									
2.		Vastewater Sand Filters or Sludge Drying Beds: N/A							
a. Number of filters: ; total filter surface area:					ft <sup>2</sup>				
	b. Number of sludge drying beds: $_{}$ ; total bed area: $_{}$ ft <sup>2</sup>								
	c. Maximum water depth over media: ft.								
	d. Method of freeze protection:								
							page no.		
						page no.			
	g.	Method of effluent sampling: spec. page no.							
2									
3.	8. Wastewater Sand Filters: N/A								
			Media Data	Layer 1	Layer 2	Layer 3	Layer 4	ľ	
		Type of Media		Layer 1	Layer 2	Layer 3	Layer 4	Ì	
		Depth (inches)							
		Effective size (	mm)						
		Uniformity Coe	efficient					İ	
								-	
4. Mechanical dewatering: N/A									
	a.	Type of dewatering unit:							
	1.	TT		1	<b>V</b>	N			
	b.		y on the water plant waste ings; If no, attach justific				ach a copy of the pilo		
		sludge:	ings, ir no, attach justine	ation for not conducti	ig a pilot plant stu	idy, including test le	suits iroin siinnar typ	)C3 01	
	_		Design Data	Unit # 1	Unit # 2		Unit # 3		
		Capacity (lbs. s							
		Capacity (gallo							
	c.		or precoat be used? Yes No No						
		If yes, identify:							
	d.	Where is the me	mechanical dewatering unit liquid effluent discharged to?						
If returned to the raw water entering the water treatment pla					has provision been	n made to bypass this	s liquid effluent to th	e	
		sanitary sewer? Yes No No							
	e.		charged to a sludge storage facility prior to being dewatered? Yes \( \square\) No \( \square\) If yes, how						
		large a facility is provided? gallons; If no, what provisions have been made to dispose of sludge daily?							

**DNR** form 12-16c (R 04-04) 542-3138